



AUGUST 21-23, 2018 • CLEVELAND, OHIO

# Setting up the Next Generation for Success: Transition Planning for Energy Managers



Energy  
Exchange

Better Buildings<sup>®</sup>  
**SUMMIT**



# Department of Energy 2018 Better Buildings Summit Transition Planning for Energy Managers

Matthew Pekar  
UTC  
EH&S Senior Manager



# UNITED TECHNOLOGIES

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1. UTC at a glance
2. Energy manager requirements
  - Basics
  - Intro to UTC
  - On the Job Training
  - Formal Training
  - Partnerships



# UNITED TECHNOLOGIES

2017 revenue \$60.2B



Heating, ventilating, cooling & refrigeration systems



Security & fire protection services



Elevators, escalators, moving walkways, people movers & horizontal transportation systems



Industrial & aerospace systems



Aircraft engines, gas turbines & space propulsion systems

No technical data subject to the EAR or the ITAR

# GLOBAL PRESENCE

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## Manufacturing sites



No technical data subject to the EAR or the ITAR

# 2020 SUSTAINABILITY GOALS

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## Greenhouse gas reduction



No technical data subject to the EAR or the ITAR

# ENERGY MANAGEMENT

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## Traditional topics:

Lighting, HVAC, Compressed air, Process energy use, Supply management, Building automation

## Advanced topics:

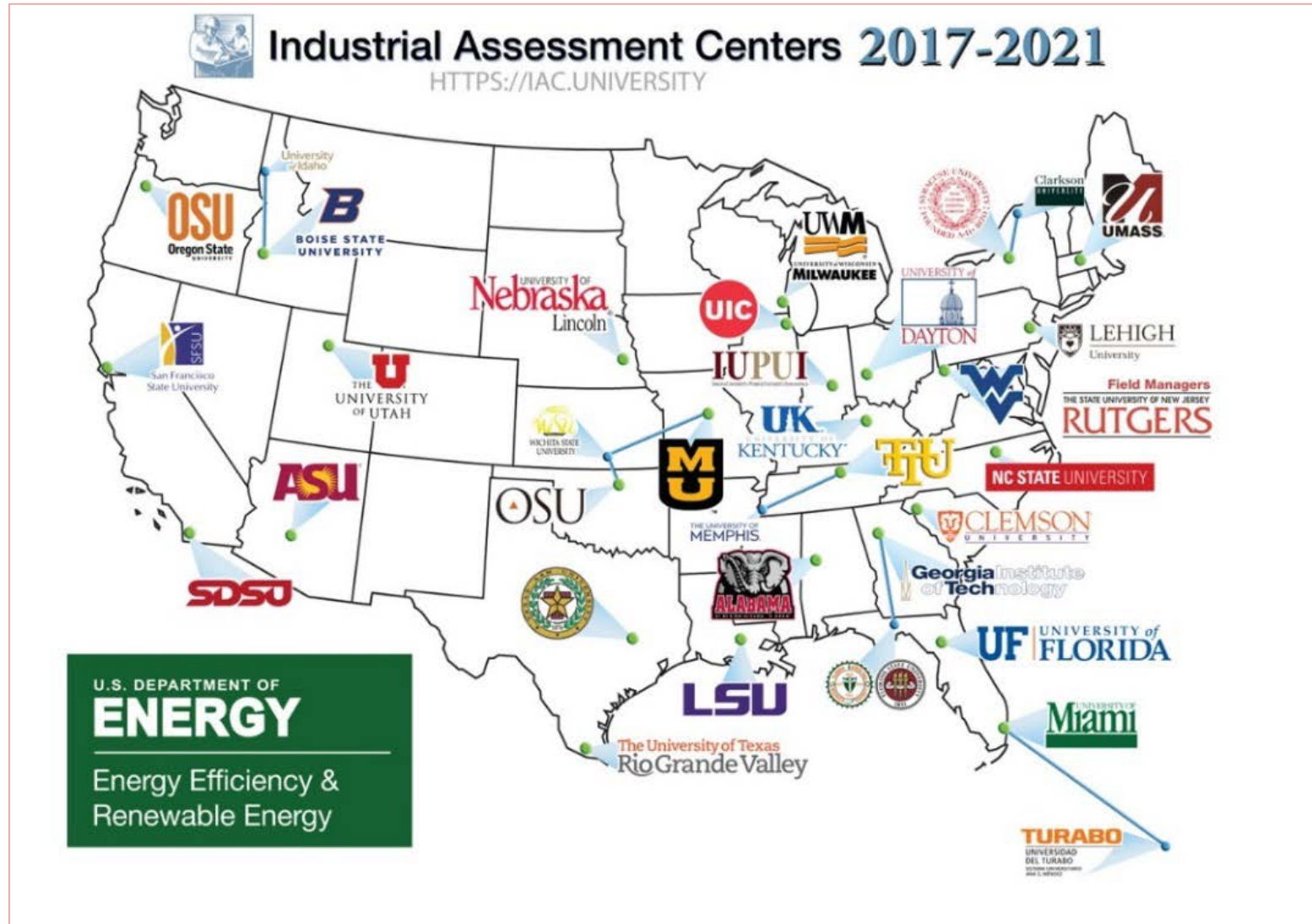
Renewable energy, GHG management and accounting, Distributed generation, Virtual net metering, Real time data management, Energy procurement

## Future concepts:

Advanced manufacturing processes, Utility scale energy storage, Robots in manufacturing, Digital factories



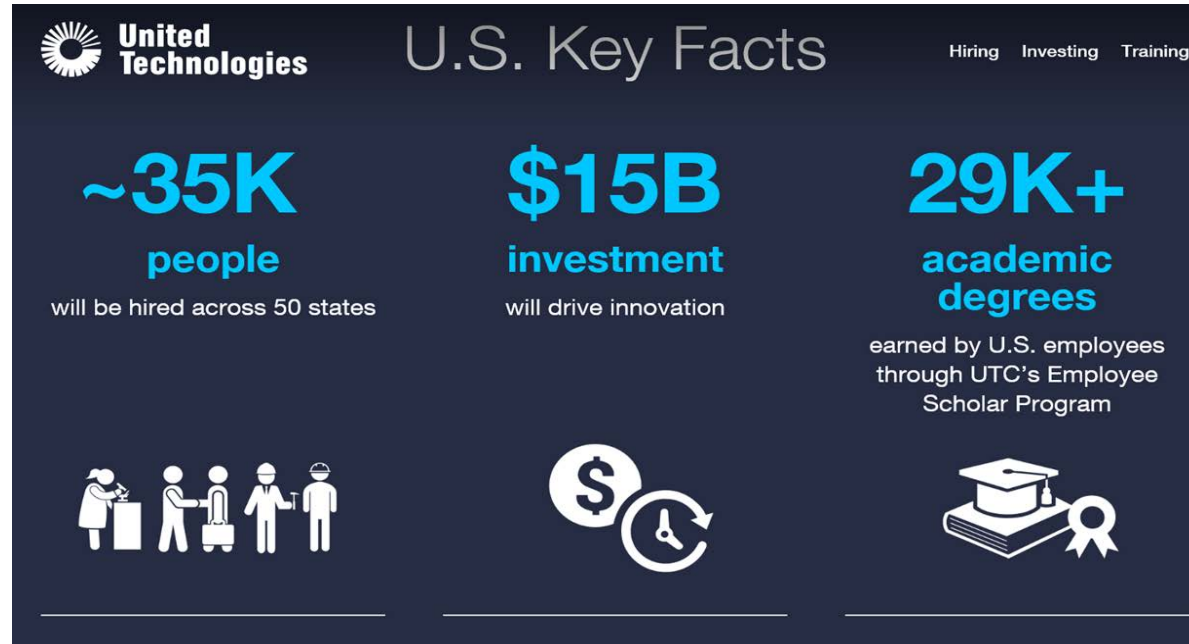
# ENERGY MANAGEMENT EDUCATION



No technical data subject to the EAR or the ITAR

# UNITED TECHNOLOGIES

## Career entry

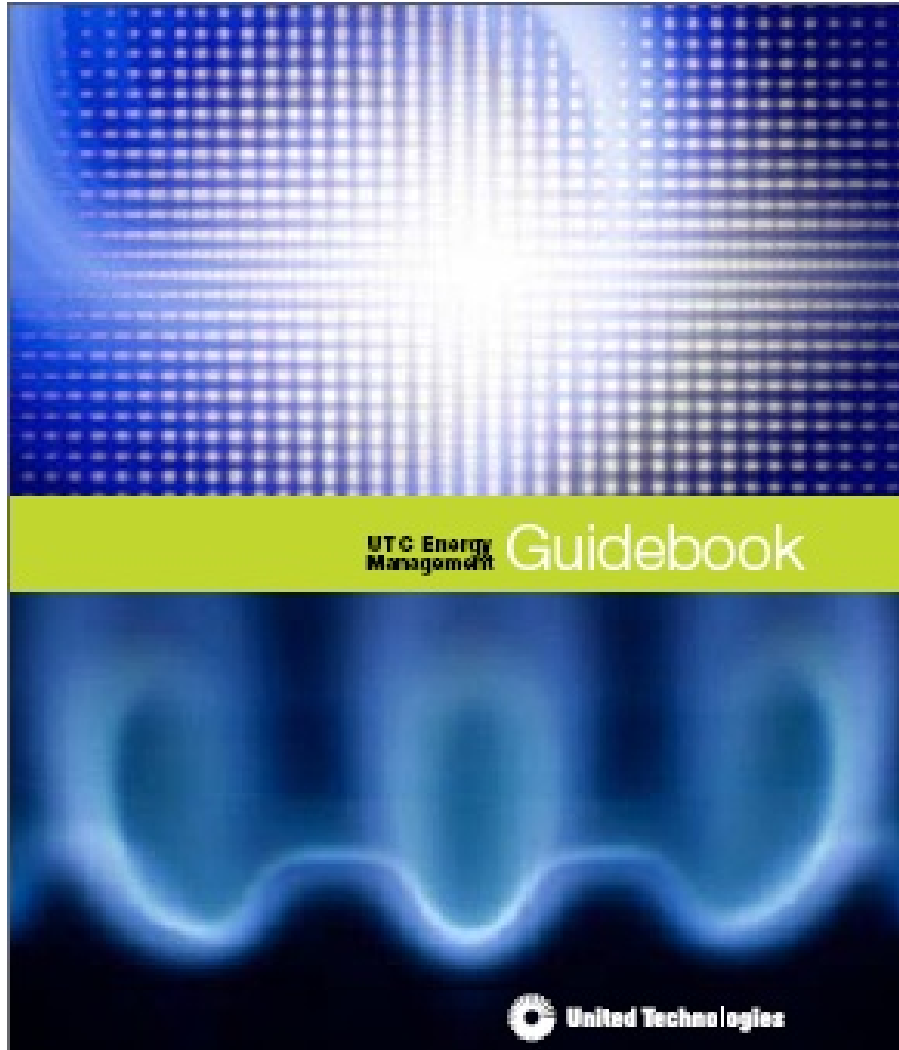


Internships opportunities

EH&S Leadership Program (ELP)

# ENERGY MANAGEMENT GUIDEBOOK

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*A systematic approach to  
formulating and implementing an  
effective energy management plan*

# UTC ENERGY MANAGEMENT

## Best management practices

- #1 Complete UTC Energy Handbook review
- #2 Create a site energy team
- #3 Shut-it-off Program
- #4 Lighting
- #5 Compressed Air
- #6 HVAC
- #7 Boilers
- #8 Building Automation System
- #9 Process Energy Management
- #10 Motor Management
- #11 Utility Review
- #12 Fleet Management

Energy Best Management Practice  
Edit a Record

Energy GHG Best Practice	Implementation Status	Comments	Target Completion Date
Complete UTC Energy Handbook review	Complete	fhg	MAR-29-2011
Create a site energy team	Not Started		
Shut it off Program	Not Started		
Lighting	Not Started		
Compressed Air	Not Started		
HVAC	Not Started		
Boilers	Not Started		
Building Automation System	Not Started		
Process Energy Management	Not Started		
Motor Management	Not Started		
Utility Review	Not Started		
Fleet Management	Not Started		

Save Cancel

0% Completion Tracked

# ENERGY AUDITS

ECM	Project < 2 year payback	Investment	\$ Savings	kWh or MMBTU Savings	CO2e Reduction	Payback
1	Shut it off	\$ 5,000	\$ 46,900	658,876	457	Immediate
2	Shop Lighting	\$ 26,400	\$ 26,000	398,268	276	1 yr
3	Office Lighting	\$ 3,000	\$ 6,000	72,150	50	6 months
4	Reliability Lab Lighting	\$ 500	\$ 1,300	25,974	18	4 months
5	HID Lighting	\$ 5,000	\$ 3,300	50,505	35	6 months
6	Misc. Lighting	\$ 5,000	\$ 9,200	157,287	109	6 months
7	Process Cooling Tower VFD	\$ 5,500	\$ 2,605	37,200	26	2.1 yrs
8	Compressed Air Leaks	\$ 20,000	\$ 65,000	1,050,000	728	4 months
9	Air Dryer operation	\$ -	\$ 1,500	16,000	11	Immediate
10	Air Compressor maintenance	\$ 3,000	\$ 3,000	70,000	49	1 year
<b>Sub-total</b>		<b>\$ 73,400</b>	<b>\$ 164,805</b>	<b>2,536,261</b>	<b>1,758</b>	
ECM	Project > 2 year payback	Investment	\$ Savings	kWh or MMBTU Savings	CO2e Reduction	Payback
11	VFD Air Compressor	\$ 250,000	\$ 40,000	430,000	298	5 yrs
12	Thermal degreaser energy recovery	\$ 200,000	\$ 20,000		194	10 yrs
<b>Sub-total</b>		<b>\$ 450,000</b>	<b>\$ 60,000</b>	<b>\$ 510,000</b>	<b>492</b>	
ECM	Requires Further Study	Investment	\$ Savings	kWh or MMBTU Savings	CO2e Reduction	Payback
13	Office HVAC Renovation	TBD	\$ 36,000	505,600	350	TBD
14	Main Plant Air Balance	TBD	TBD			
15	Process cooling water pumps	TBD	TBD			TBD

Required every 3-5 years

10% to 15% of audits conducted by UTC

# UNITED TECHNOLOGIES

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## DOE support



Dallas, TX: Energy Treasure Hunt “Train the Trainer I” Oct 2016

Collierville, TN: Energy Treasure Hunt “Train the Trainer II” Mar 2017

Riverside, CA: Compressed Air Workshop, April 2017

Springdale, AR: Motor Master Energy Audit, January 2018

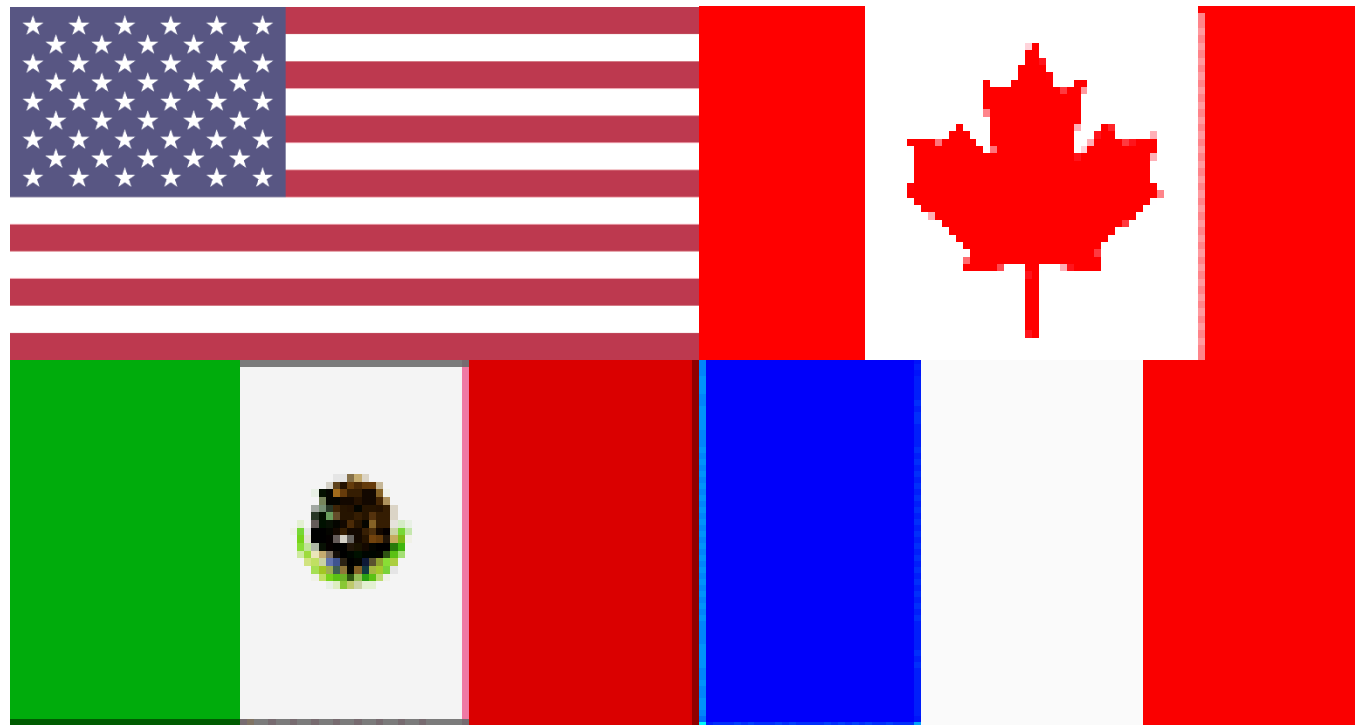


# UNITED TECHNOLOGIES

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## On the job training

2017 and 2018 Global In-house “Energy Treasure Hunt”  
training conducted in the U.S., Canada, France and Mexico



No technical data subject to the EAR or the ITAR

# UNITED TECHNOLOGIES

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## Certifications

AEE Certified Energy  
Manager (CEM) In-house  
training classes in CT and FL

Over 100 CEM's working in  
Facilities Departments and as  
Carrier application engineers

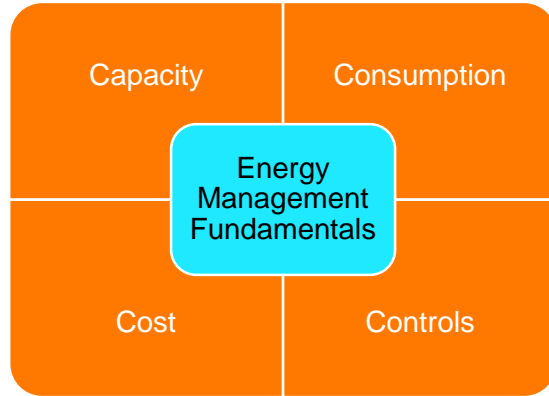
### Accreditation & Recognition

U.S. CEM® & CEA® Programs ANSI Accredited and Recognized by DOE



# SUCCESSION PLANNING

## Skill set



1. Energy interest
2. Technical background
3. Willingness to travel
4. Factory experience
5. Certifications
6. Degrees and diplomas



# Q&A

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## United Technologies

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Environment, Health & Safety

United Technologies Corporation





# Setting up the Next Generation for Success: Transition Planning for Energy Managers

Leslie Marshall

Corporate Energy Engineering Lead

General Mills



# Introduction



- Corporate Energy Engineer for General Mills
  - 2% energy intensity reduction goal
  - 8% GHG emissions reduction goal by the year 2025
- Professional Experience
  - 20+ years spent in manufacturing
  - 17 years supporting various production lines
  - 3+ reducing energy
- Understand business/production constraints that make reducing energy difficult
- Be more empathetic and accommodating to people impacted by energy projects and initiatives

# Optimization is the Next Big Thing



- Capital projects
  - are cool and we should still do them
- Optimization
  - Allows the business to invest money in what's most important (the consumer)
    - Saves energy
    - Saves maintenance costs
    - Avoids essential, unnecessary capital costs
    - Reduces ongoing operating costs on supporting utility equipment
  - Empowers the team and strengthens their technical ability
- Real time monitoring and data-driven decision making

# Block Deployment is the Other Next Big Thing



- Corporate sponsored in-depth training on a specific utility for plants
  - DOE INPLT Compressed Air, Steam
- Provide a detailed task list of next steps to optimize/improve utility
- Coach plant through the action items and provide resources when necessary
- All plants implement tasks together before advancing to the next step
  - Return system to basic conditions
  - Baseline key metrics
  - Look for cost savings opportunities for capital projects

# Strategy's value



- Awareness of how much utilities/facilities can impact the business
- Business growth
  - Energy team has saved over \$12 million in 6 years
  - Invest in product innovation and growth
- Appreciation
  - Everybody loves the people who save them money
- Technical expertise
  - Sense of pride
  - Empowerment

# Hurdles



- An established culture
  - People like how they do things and don't want to change
- Making sure energy stays a priority in a very dynamic business environment

# Take-aways and Suggestions



- Team management skills are AS IMPORTANT AS technical expertise
  - Spend time developing leadership skills
  - Spend time developing presentation skills – understanding what data/information is relevant to specific audiences
- Assess the team's passion for energy and change as a first step
  - Identify any gaps between team's ability/skill set and the strategy/goal
  - Understand each team member's motivation and ensure that the strategy caters to it in some way
- Reward the Team



# Take-aways and Suggestions

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- Don't get frustrated
- Be persistent
- Practice empathy

# Contact

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Leslie Marshall  
General Mills  
Corporate Energy Engineering Lead  
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763-764-6290



# Setting up the Next Generation for Success: Transition Planning for Energy Managers

Better Buildings Summit  
August 2018



# Ryan Spies – Saint-Gobain

## Background

- Mechanical Engineer – Lehigh University
- MBA – Washington University in St. Louis
- 6 Years in Engineering/Strategy Roles
- 9 Years in Corporate Sustainability for 3 Fortune 500 Companies
- (Former) President – Net Impact Philadelphia Professional Chapter





# Topics Covered

- Background on Saint-Gobain
- Goals and Leadership
- Engagement & Communications
- Programing
- Award Recognition





# Who Is Saint-Gobain?





# WHERE WE COME FROM: SAINT-GOBAIN'S HISTORY



## AT THE BEGINNING OF SAINT-GOBAIN



The Hall of Mirrors in Versailles



The Louvre's Pyramid



# SAINT-GOBAIN'S INTERNATIONALIZATION IN THE 19<sup>th</sup> CENTURY



1898: Glass Factory in Fanière, Belgium



1852: Glass Factory in Stolberg, Germany



Façade of Budapest's Station, Hungary



1889: Glass Factory in Pisa, Italy

# THE GROUP'S ORGANIZATION

14 General  
Delegations

Compagnie de Saint-Gobain



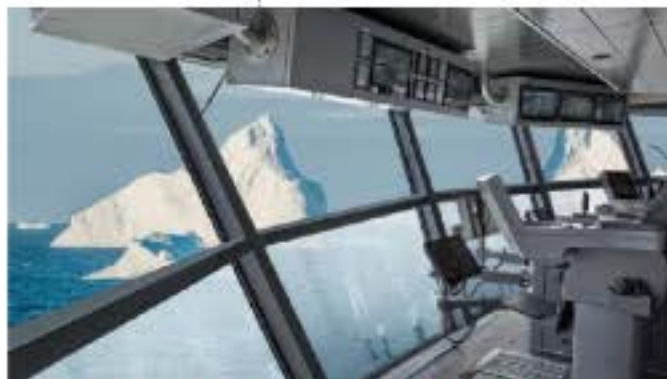
170 000  
Employees



3 Sectors

Innovative Materials  
Construction Products  
Building Distribution

Finance  
R&D  
Marketing  
Human Resources  
Legal/Tax  
Communications



Innovative Materials



Construction Products

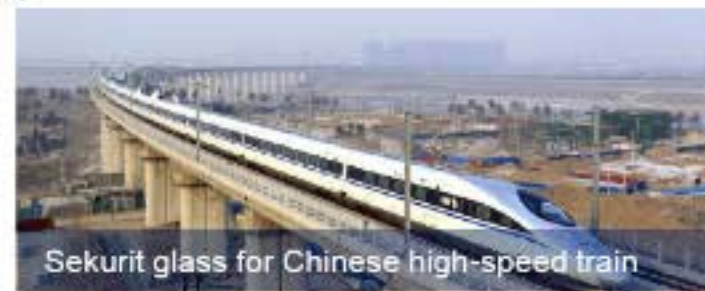


Building Distribution

About 50 Activities  
More than 1,000 consolidated companies



# FLAT GLASS



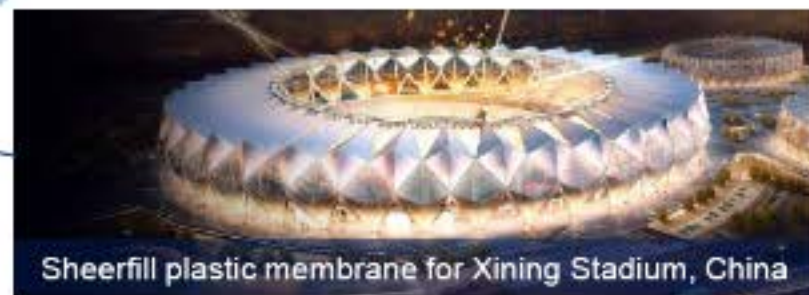
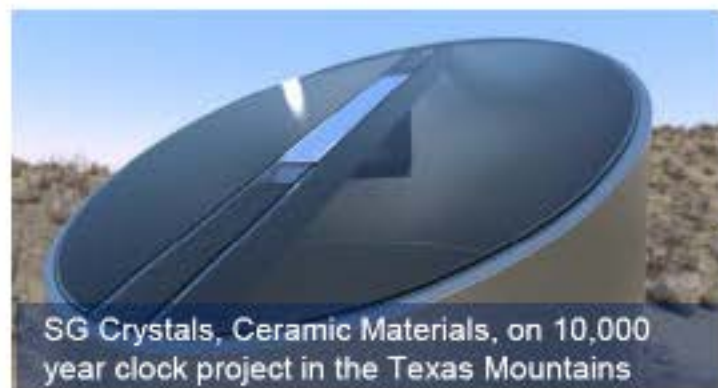
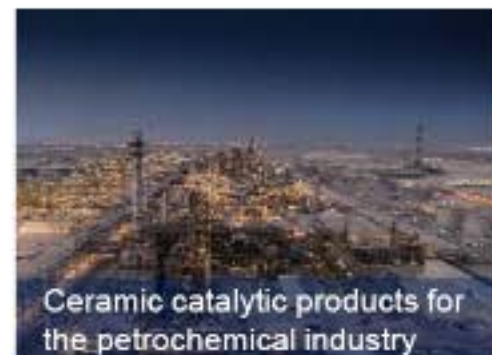


## WE CAN TRANSFORM SPACES WITH SAGE GLASS



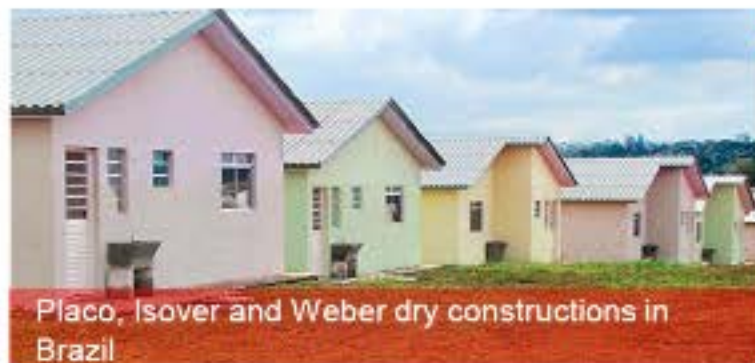


# HIGH-PERFORMANCE MATERIALS





# CONSTRUCTION PRODUCTS





# SAINT-GOBAIN INNOVATIVE INTERIOR AND EXTERIOR SOLUTIONS

**CertainTeed**  
SAINT-GOBAIN



1/ **Cedarboard** Insulated siding

2/ **Optima** Blow-in-Blanked Glass Wool **Insulation**

3/ **Apollo II** Roofing Integrated PV **Shingle**

4/ **SilentFX** Noise Reducing **Gypsum Board**



# Sustainability and Energy in North America

# CSG Goals – Short Term & Long Term

## CSG: 2025 Goals

2010 Baseline



Energy consumption: -15% (MWh/NSP)  
Total CO<sub>2</sub> emissions: -20% (MTCO<sub>2</sub>/NSP)



Water discharge: - 80% (M3/NSP)  
Long-term: Zero industrial water discharge in liquid form



Non-recovered waste: - 50% (Ton/NSP)  
Long-term: Zero non-recovered waste

## CSG: 3 Year Goals 2017-2019

2016 Baseline



Energy consumption: - 5% (MWh/NSP)  
Total CO<sub>2</sub> emissions: - 7% (MTCO<sub>2</sub>/NSP)



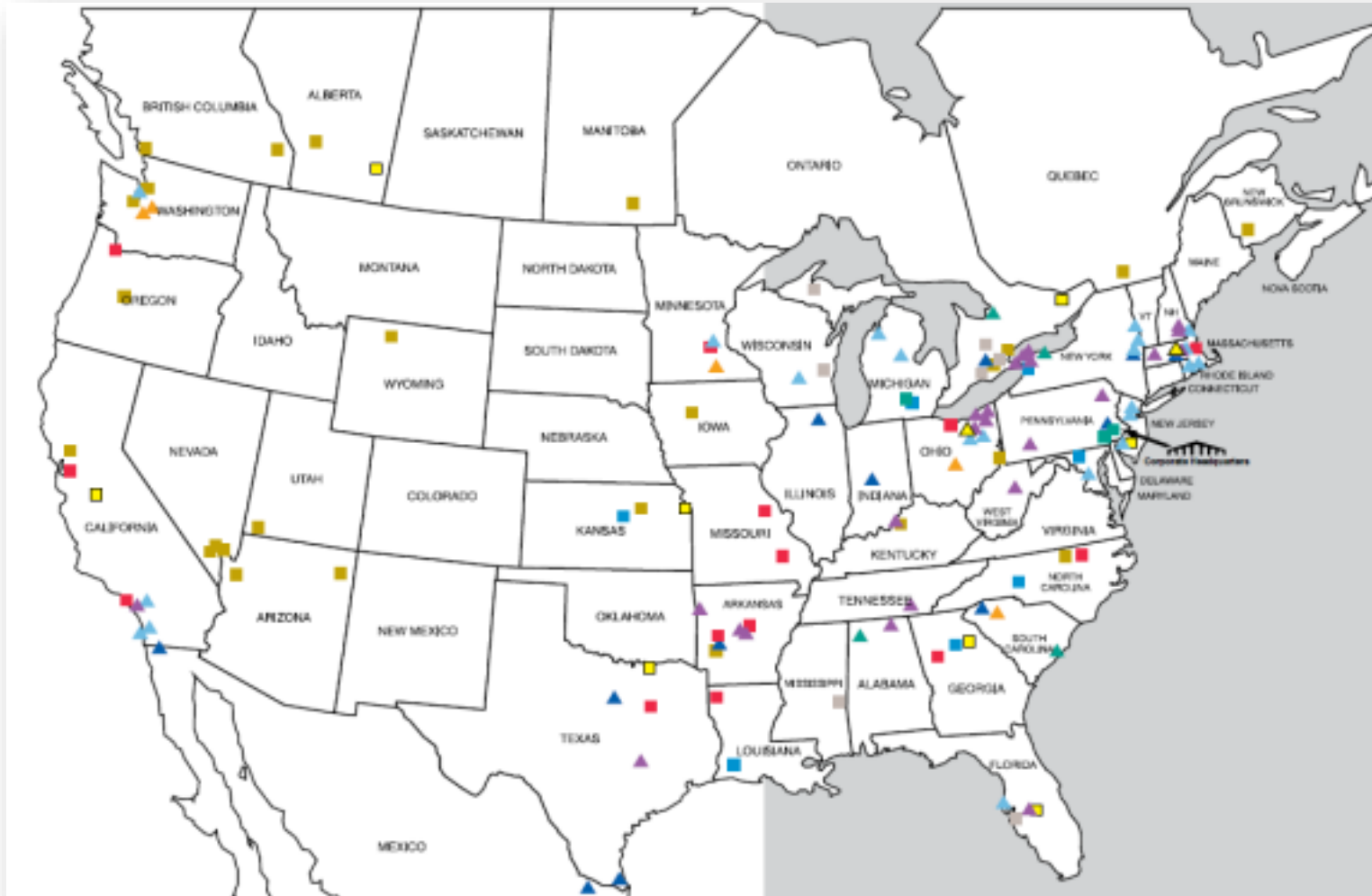
Water Withdrawal: - 20% (M3/NSP)  
Water Discharge: - 20% (M3/NSP)



Non-recovered waste: - 15% (Ton/NSP)



# North American Sustainability Champions Network



- With over 130 manufacturing locations in North America, connecting resources internally has become a primary driver for sustainability at the Delegation

# Programs for North America

- **Energy Management**

- Data Analysis
  - Moving from Annually to Quarterly
  - Broad Development for Leadership Consumption
- Program Development:
  - Lighting as a Service
  - Metering as a Service
  - Energy Service Contracts
- Training:
  - Monthly webinars
  - DOE In-Plant Training
  - Regional Kaizan's
- Networking / Best Practices
  - Global Energy Managers Meeting (2x annually)
  - North America Sustainability Summit

## **Carbon Management**

Internal Price of Carbon Program

Climate Change and Cap & Trade Committee

Renewable Energy

On-Site

Off-Site

## **Water Management**

Priority Sites

Water Balance Help (DOE)

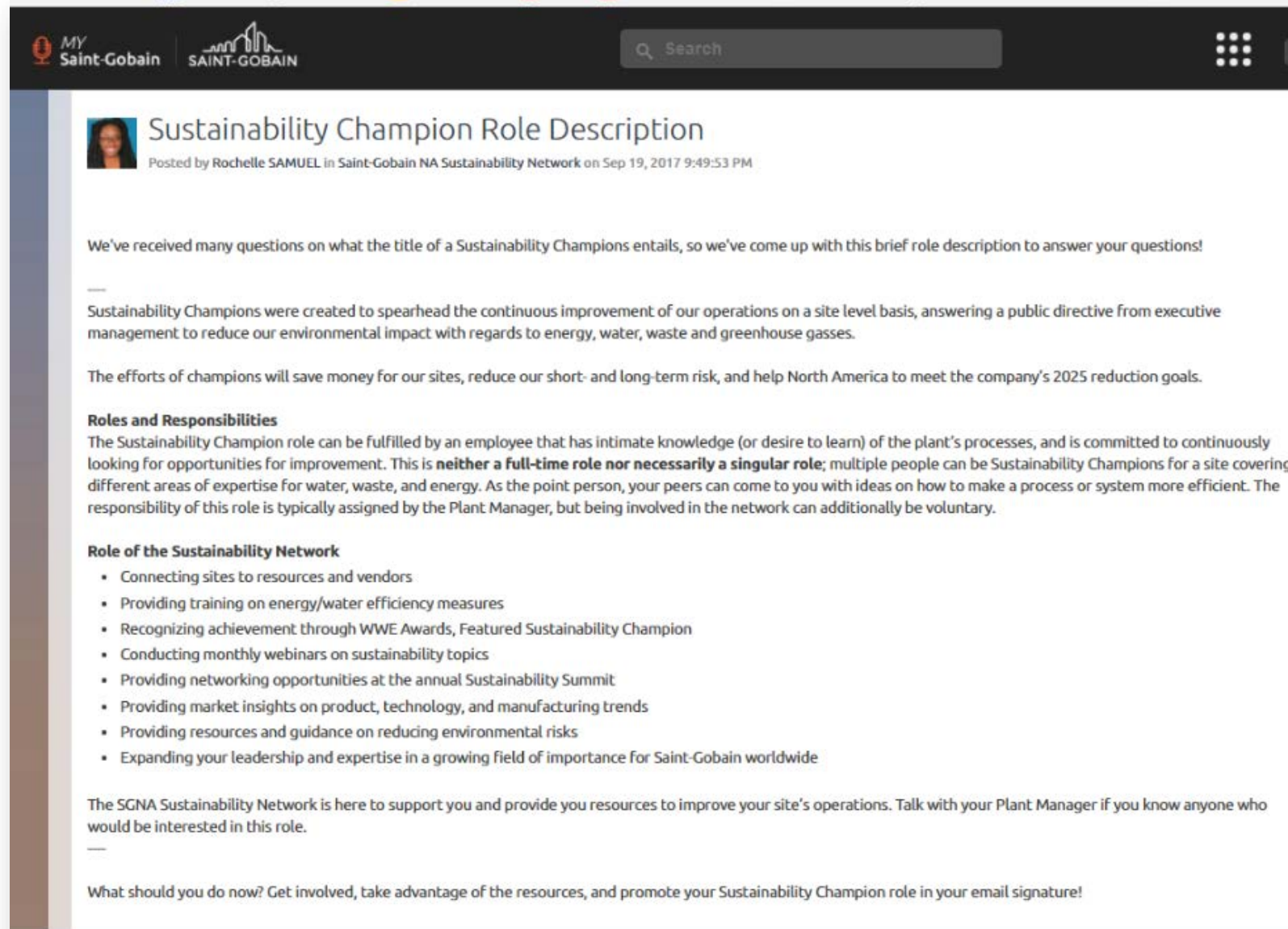
NALCO Partnership

# SGNA Sustainability Champions Network

- **Each Site has identified a site “Sustainability Champion”**
- **Some have designated multiple for the fields of Water, Waste, Energy and CO2 Emissions.**
- **In addition, the Network also includes:**
  - Regional EHS Managers
  - Business Unit Energy Managers
  - CertainTeed Marketing Managers
  - Other interested parties

Over 270 members now make up  
the network


# Sustainability Champion



The screenshot shows a web page from the Saint-Gobain NA Sustainability Network. At the top, there is a header with the 'MY Saint-Gobain' logo, the 'SAINT-GOBAIN' logo, a search bar, and a grid icon. The main content area features a profile picture of Rochelle Samuel and the title 'Sustainability Champion Role Description'. Below the title, it states the post was made on Sep 19, 2017. The text explains the role's purpose: to spearhead continuous improvement on a site level basis, addressing energy, water, waste, and greenhouse gases. It also mentions that the role can be fulfilled by any employee with intimate knowledge of plant processes, and it is not necessarily a full-time or singular role. A list of roles and responsibilities is provided, including connecting sites to resources, providing training, recognizing achievements, conducting webinars, and providing market insights. The page concludes by encouraging employees to get involved and promote their role.

**MY Saint-Gobain** SAINT-GOBAIN

Search

 **Sustainability Champion Role Description**  
Posted by Rochelle SAMUEL in Saint-Gobain NA Sustainability Network on Sep 19, 2017 9:49:53 PM

We've received many questions on what the title of a Sustainability Champions entails, so we've come up with this brief role description to answer your questions!

Sustainability Champions were created to spearhead the continuous improvement of our operations on a site level basis, answering a public directive from executive management to reduce our environmental impact with regards to energy, water, waste and greenhouse gasses.

The efforts of champions will save money for our sites, reduce our short- and long-term risk, and help North America to meet the company's 2025 reduction goals.

**Roles and Responsibilities**

The Sustainability Champion role can be fulfilled by an employee that has intimate knowledge (or desire to learn) of the plant's processes, and is committed to continuously looking for opportunities for improvement. This is **neither a full-time role nor necessarily a singular role**; multiple people can be Sustainability Champions for a site covering different areas of expertise for water, waste, and energy. As the point person, your peers can come to you with ideas on how to make a process or system more efficient. The responsibility of this role is typically assigned by the Plant Manager, but being involved in the network can additionally be voluntary.

**Role of the Sustainability Network**

- Connecting sites to resources and vendors
- Providing training on energy/water efficiency measures
- Recognizing achievement through WWE Awards, Featured Sustainability Champion
- Conducting monthly webinars on sustainability topics
- Providing networking opportunities at the annual Sustainability Summit
- Providing market insights on product, technology, and manufacturing trends
- Providing resources and guidance on reducing environmental risks
- Expanding your leadership and expertise in a growing field of importance for Saint-Gobain worldwide

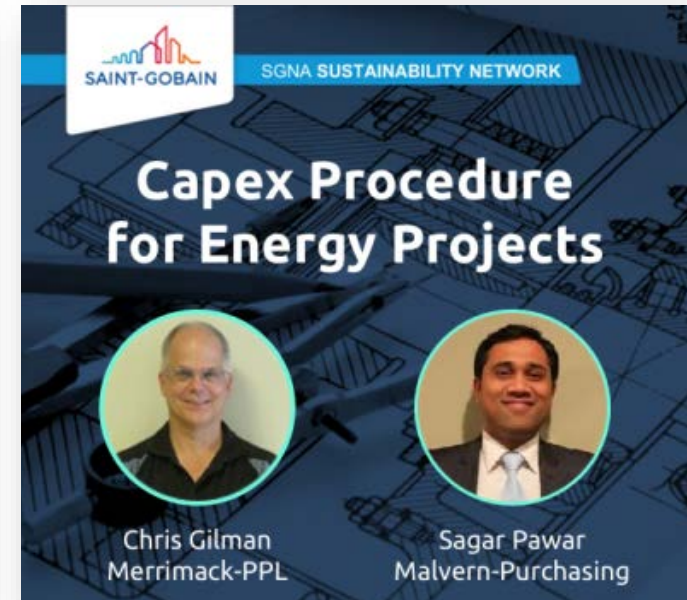
The SGNA Sustainability Network is here to support you and provide you resources to improve your site's operations. Talk with your Plant Manager if you know anyone who would be interested in this role.

What should you do now? Get involved, take advantage of the resources, and promote your Sustainability Champion role in your email signature!

Define their roles!  
Even if that definition  
has fluidity.



# Network Webinars



- **Webinar Series**

- Monthly Webinar on variety of topics (Technical, best practices, success projects)
- Most are by internal presenters (Case Studies)
- Some are external presenters (Best practices/resources/vendor opportunities)
- Q&A Sessions afterwards and a recording available offline
- Webinar invites have been forwarded outside of the network on multiple occasions!

# SGNA Newsletter



## Project Highlight - Merrimack, NH



Our Merrimack, NH PPL site recently underwent a complete lighting retrofit with services from [OpTerra](#) (a guest at our sustainability conference). The site expects to save \$200K/year and achieve a 43% ROI on the LED and controls upgrade. Along with whiter light, better performance, and reduced emissions associated with the plant, the site now has access to a user-friendly web-based platform to make changes on the fly. To learn more about this project - check out the [MySG page](#) or contact the project leader, Chris Gilman at [Christopher.Gilman@saint-gobain.com](mailto:Christopher.Gilman@saint-gobain.com)

## Coming Up!

### Internal Events:

#### Saint-Gobain International EHS Day

Celebrating Saint-Gobain's world-wide commitment to the Environment, Health, and Safety

Oct 11

#### Compressed Air Best Practice Webinar

Worcester, MA - High Performance Refractories

More info [here](#)

October 25 at 2:00pm ET

### DOE In-Plant Trainings:

*In-Plant Trainings (IPLTs) are workshops led by DOE experts that train participants on how to identify, implement, and replicate energy-saving projects. Better Plants partners volunteer to host an on-site, three-day training at one of their facilities, and invite other partner companies to attend.*

#### Treasure Hunt Exchange

TE Connectivity Plant - Greensboro, NC

Oct 9-11

#### Compressed Air

Tenaris Hickman Plant - Blytheville, AR

Date TBD

#### Treasure Hunt Exchange

AbbVie Plant - Chicago, IL

Oct 16, 17, 18

## • The Newsletter Highlights:

- Achievement at the Sites
- Successful sustainability projects
- Product Stewardship updates
- Upcoming Events/webinars/training opportunities (both internal and external)
- Relevant external news and guides on energy, water, waste and emissions.

## Best Practices – A Collection from 2018

SITE	PROJECT
Bristol, RI Performance Plastics	MELDIN® Solvent Waste Reduction
Soddy-Daisy, TN NorPro	Panoramic Power Electrical Submetering
Avery/Milan, OH CertainTeed Roofing	Core Splitter Project
Faribault, MN Sage Glass	Waste Reduction
L'Anse, MI CertainTeed Ceilings	Project Lake Dixon
Moundsville, WV CertainTeed Gypsum	Fan Speed Reduction Project
Brownsville, TX Abrasives	Water Reduction in Cooling Towers
Norwood, MA CertainTeed Roofing	Landfill Site to Solarfield
Albion, NY ADFORS	Plant Make Up Air Upgrades



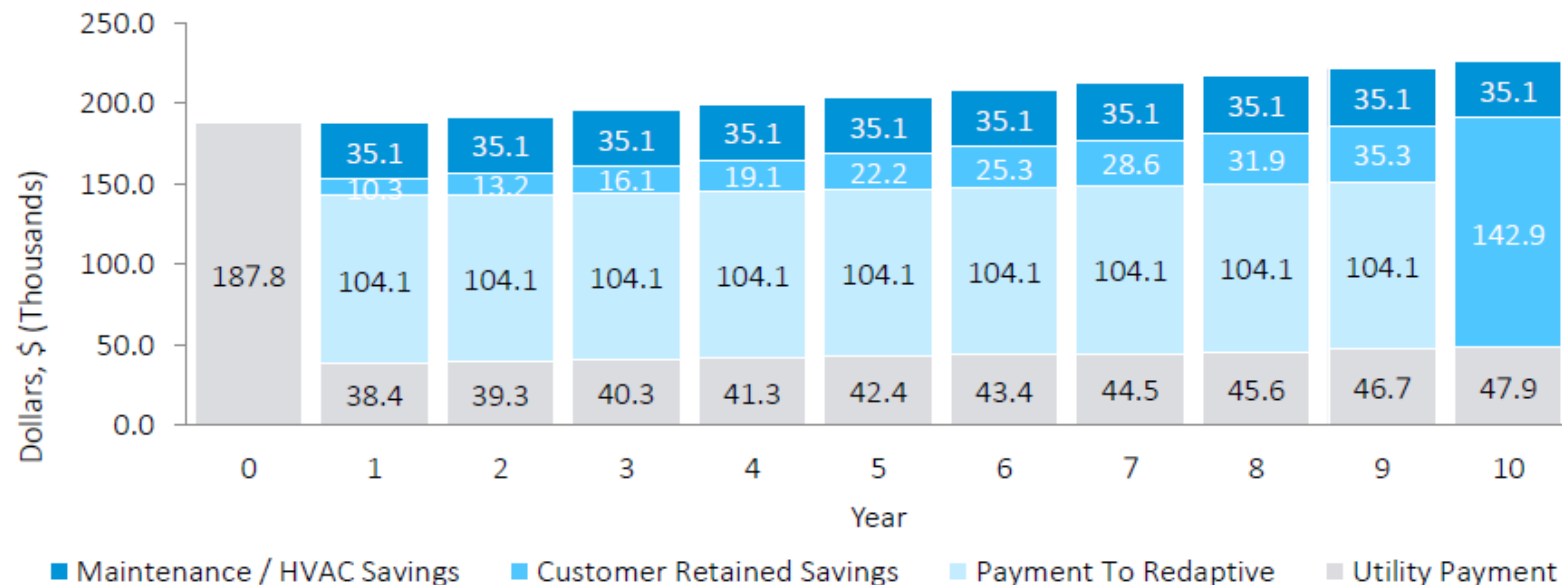
# CAPEX Free Lighting

## Retrofit Overview

- Current Electrical Consumption (kWh): 2,502,775
- Post-Install Electrical Consumption (kWh): 628,531
- Annual Consumption Savings (kWh): 1,874,244
- Current Utility Rate: \$0.061
- Utility Rebate : \$45,123

- Gross Annual Lighting Savings: \$114,411
- Estimated Annual Maintenance Savings: \$35,050
- Estimated Annual Payment to Redaptive: \$104,114
- Term Length: 9
- Saint Gobain Retained Lighting Savings: 9%
- Saint Gobain Retained Maintenance Savings: 100%

Customer Cash Flows Over Contract Length

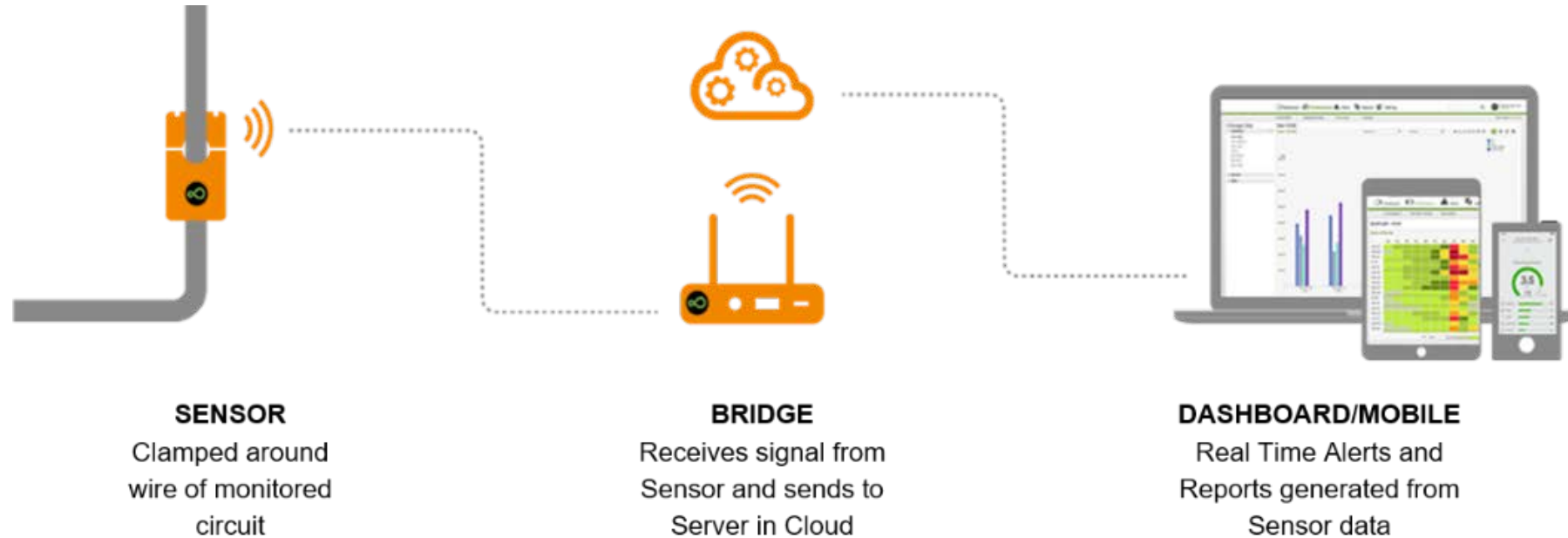


**\$45,347** / **\$149,462**  
Ann. In-Term Utility Savings Ann. Post-Term Savings

**\$695,267**  
Saint Gobain 10-Year Total Savings  
Including Maintenance Savings and Utility Rate Inflation



# Panoramic Power Energy Monitoring Technology



## BENEFITS:

- Monitor run hours and trends in energy consumption of individual loads
- Predictive equipment maintenance based on actual run hours
- Predictive equipment maintenance based on accumulated energy usage data
- Identify equipment issues proactively

## DIFFERENTIATORS:

- Low cost
- Clip-on instead of wired
- Online analysis tool
- Real-time, continuous monitoring
- Site insights reports by experts

# 2017 Sustainability Summit

## Topics Covered

Achieving 2025 Goals | Lighting | Metering | Heat Exchange | From Process to Product | DOE: In Plant Trainings | Alternative Financing | Water Reduction Success | Energy Efficiency Best Practices | Waste Minimization Strategies



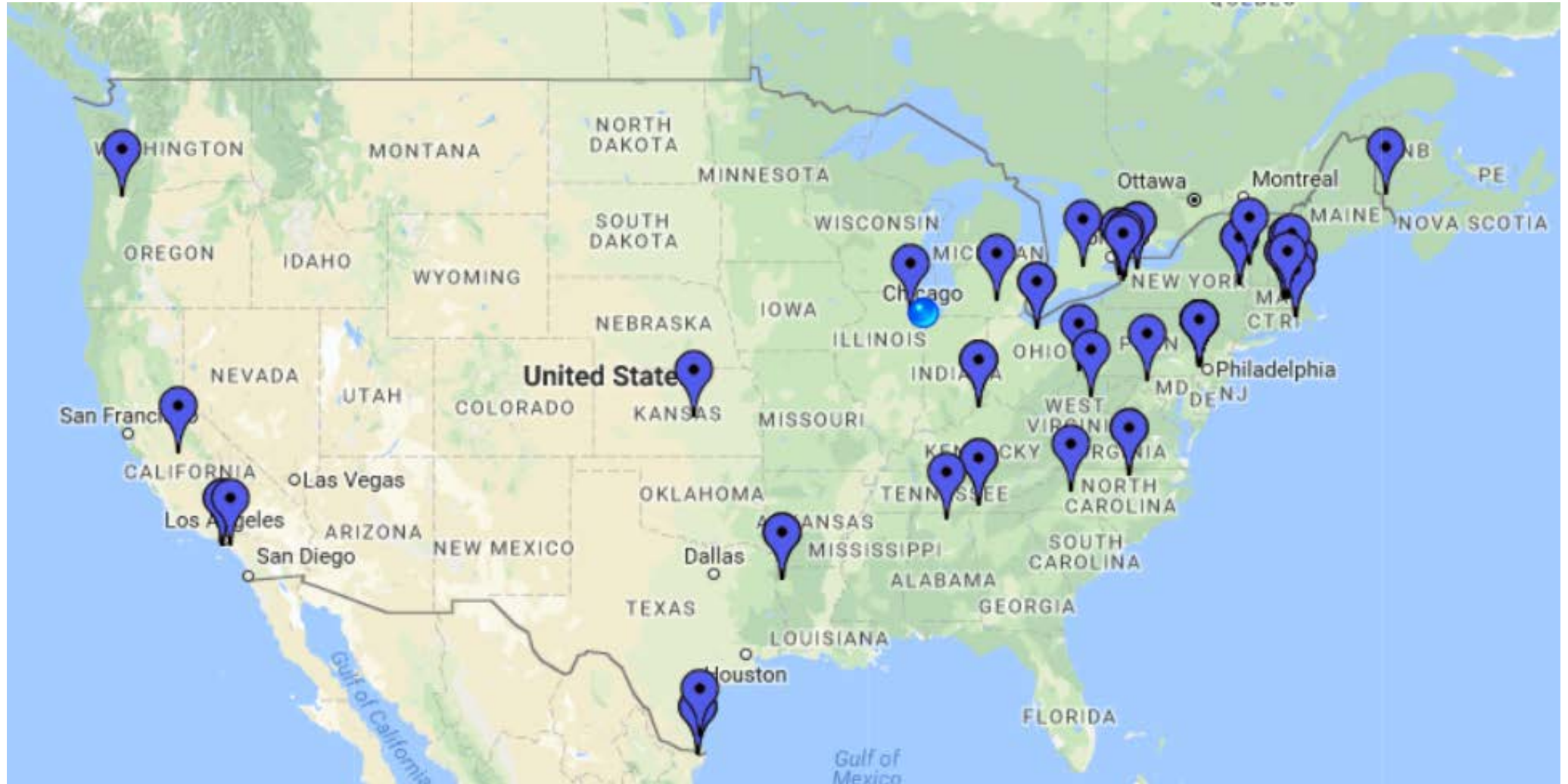


# Goals for 2018 Summit

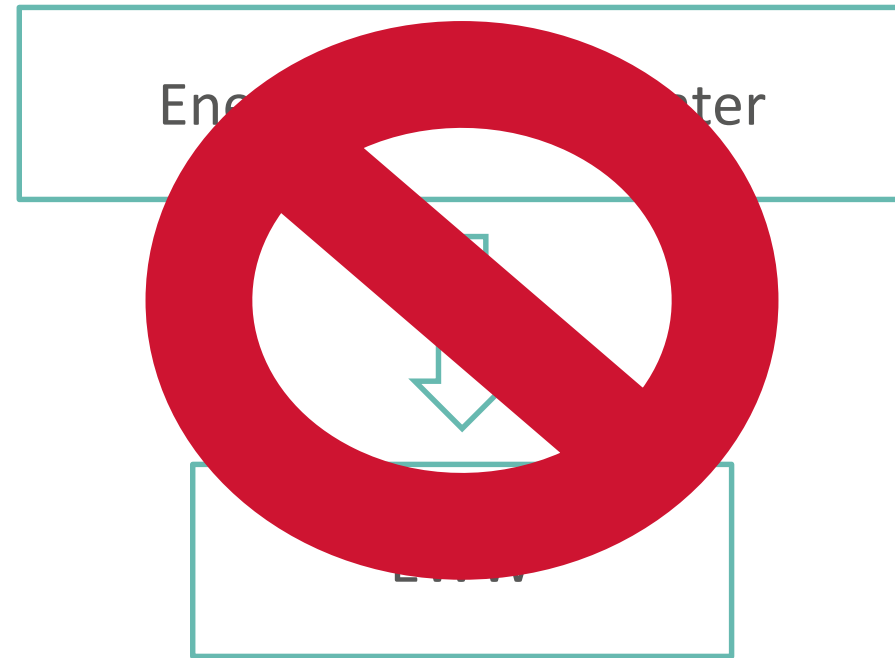
- **Network with Peers**
- **Engage with the speakers**
- **Learn Something**
- **Teach Something**
- **Share Best Practices**
- **Award Achievement**
- **Network with Peers**
- **Solve Problems**
- **Help us improve**
- **Network with Peers**



# Representation at the 2018 Sustainability Summit







Water – Waste - Energy



WWE



## WWE Awards Overview

The Goal of the Awards is to encourage sustained achievement in North America.

The objective is simple: creatively inspire competition among sites to reduce their environmental impact (waste, water, energy & CO2) and to sustain those reductions and attitudes.

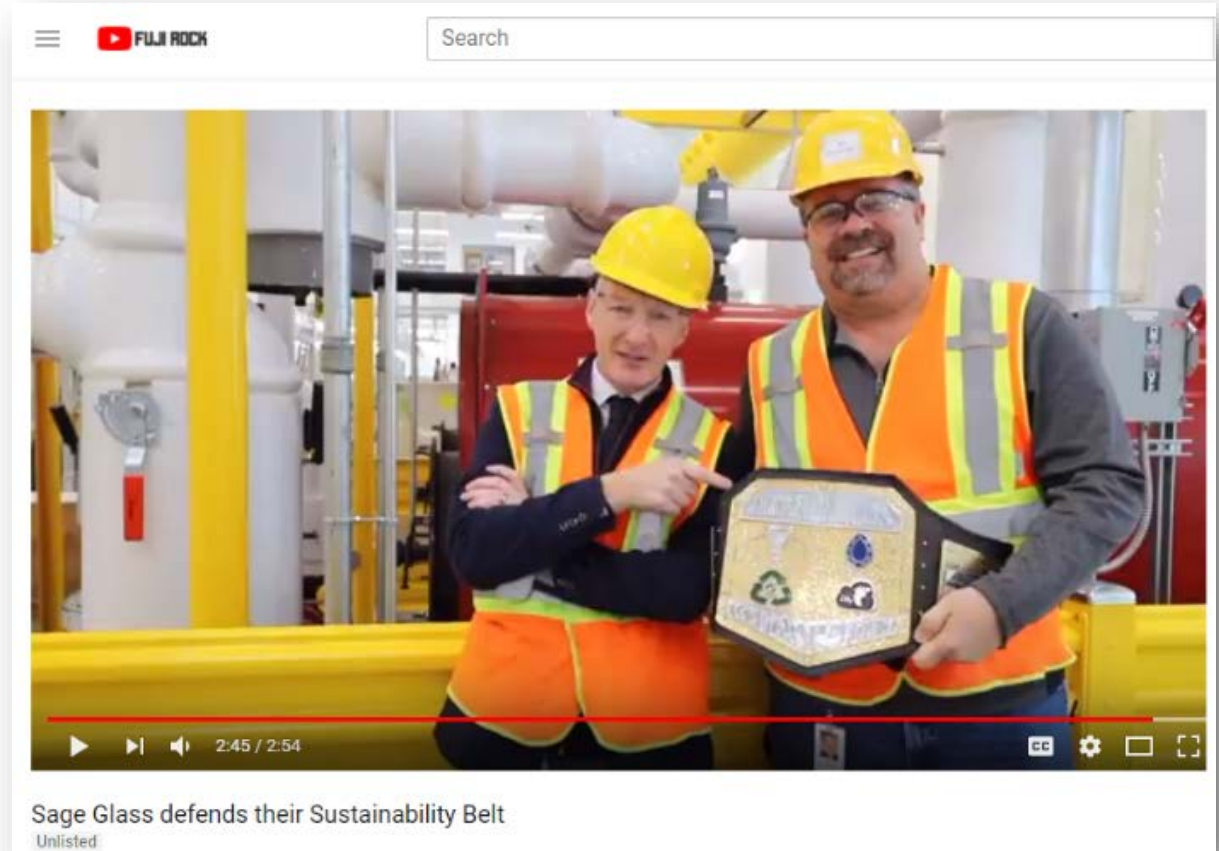
# Awarding Achievement







## Smack Talk – YouTube Videos





## 2018 Awards



CEO



# Our Communities Should also Recognize this Achievement

**FARIBAULT.com** | Faribault Daily News

Home News Sports Opinion Obituaries Community Business Classifieds E-Editions Submission Form

## Business

Home / Faribault Daily News / Business



## SageGlass earns 'Energy Champion' honor, besting 150 other Saint-Gobain plants

+3 By GUNNAR OLSON golson@faribault.com Updated Dec 10, 2016 (0)

SageGlass beat out 150 other Saint-Gobain locations to become the 2016 Saint-Gobain "Energy Champion" for 2016, thanks to its commitment to energy efficiency.



# NIAGARA GAZETTE

MONDAY, JANUARY 23, 2017 NIAGARA-GAZETTE.COM NIAGARA FALLS, NEW YORK • \$1.00

## Running out of patience

**K**en Cosentino was clearly frustrated. You could hear it about every word of the letter he read out loud on Friday.

In a room full of primarily public employees and individuals who would tend to be sympathetic to the cause of Gov. Andrew Cuomo's administration, Cosentino spoke up for the regular guy, bellowing Niagara Falls residents like him who are still dealing with a whole lot of issues while being told things are getting better, little by little.

During a special presentation of Cuomo's 2017 budget plan at city hall on Friday, Cosentino told the governor's representative, former state Assemblyman Sam Hoyt, that he's not happy with the direction of things.

He said he's tired of crumbling neighborhoods, the "unlucky" quality of life, lack of opportunities and failure to address big problems like heroin addiction. Cosentino saved some of his more pointed criticism for the people who run state parks, asking why they are doing so much construction in what should be an all-natural Niagara Falls State Park, putting up fences that prevent people from fully accessing the mighty creek in the process.

"Jobs with livable wages are still few and far between, meanwhile the state park flourishes during the tourism season with millions of visitors spending countless dollars," he said.

Hoyt, the regional president of the state's economic development department in Western New York, listened quietly as Cosentino finished his letter.

He then did what guys who have been in the business of politics and government as long as him get appointed to do.

See SCHER, Page 5A

## WWE belt for Saint-Gobain



Elonk production operator Albert McKinney, Production Manager Ross Karipidis and Plant Manager Tim Vitorino pose with their "WWE" belt awarded for their efforts in reducing water consumption at the plant.

## Falls plant owned by French corporation wins top energy prize in North America



Albert McKinney, Saint-Gobain's Elonk production operator, shows off the special polyester resin with a high melting point.

**BY MICHELE DELUCA**  
michele.deluca@niagaragazette.com

A flashy WWE belt awarded recently to the Saint-Gobain plant on Waldmore Road was not the prize from any wrestling match. But it was a win just the same and it made quite an impact at the plant on Waldmore Road -- as well as on the local environment.

The French-owned building materials company, which has manufacturing facilities in 66 countries around the globe, gave the prize in a competition among its North American

divisions to the plants which have done the most to reduce their environmental impact.

There were three belt awards at the conference, one for the reduction of waste, one for the reduction of water and one for the reduction of energy usage -- thus the name WWE for the belts. The local plant won the belt for water reduction usage, but they are going to have to fight if they want to keep the prize.

"The way the program is designed is you have to defend the belt," said site

See ENERGY, Page 5A

## Falls plans remain vague

**DEVELOPMENT:** State official declines to get into specifics during visit.

**BY PHILIP GAMBINO**  
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A visit from Sam Hoyt, the regional president of Empire State Development Corp., failed to shed any new light on the state's plan to target vacant or "underutilized" downtown real estate.

In what state officials called a series of regional budget "hearings" that took place in cities and state colleges across New York, Hoyt spoke Friday and took questions from some members of

See PLANS, Page 5A

## Meadow upgrade on the horizon

**NORTH TONAWANDA:** Council looking at aligning Meadow Drive and 19th Avenue.

**BY MIA SUMMERSON**  
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**NORTH TONAWANDA --** Work on a series of improvements for the Meadow Drive area could come as early as next year.

Over the last several years, a number of enhancements have been made to the road, including the completion of the Meadow Drive Extension in 2014, which connected the street to Erie Avenue, and the installation of a new traffic light system and intersection improvements at Meadow Drive and Nash Road the

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## Saint-Gobain Recognizes Sites for Leadership in Conservation with Sustainability Awards

Glass Magazine  
December 2, 2016  
COMMERCIAL, RETAIL, FABRICATION

Saint-Gobain announced the winners of its sustainability awards program, which recognizes company locations across North America for their sustainability efforts. The winning sites were recognized at a companywide sustainability conference this fall.

"Saint-Gobain's commitment to sustainability compels us to consider the environmental impact of our business at every stage, from product design to product disposal at the end of life," says John Crowe, president and CEO of Saint-Gobain and CertainTeed Corps. "As a company, we realize it is the aggregate of efforts made by our approximately 14,000 employees that will allow us to reach our ambitious targets for waste, water, energy and carbon dioxide (CO2) reduction, and we believe recognizing sites for their world-class programs will advance achievement across our portfolio."

The program, referred to as the Waste, Water and Energy Program was established in 2016 by the Saint-Gobain Environmental, Health and Safety Department. The program is designed to highlight the sustainability of sites.

The program has recognized the following

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# Questions